



MINIMUM REQUIRED AREA FOR END OF BLOCK

NOMINAL PIPE DIAMETER (INCHES)	4	6	8	10	12	14	16	18	20	24
CONCRETE THRUST BLOCK MIN. AREA (SQ. FT.)	2	4	7	11	15	20	25	31	36	49

BASED ON 200 PSI LINE PRESSURE AND ALLOWABLE SOIL BEARING PRESSURE OF 1500 PSF.

NOTES:

1. THRUST BLOCK SHALL BE USED FOR PIPES WITH 4" DIAMETER OR LARGER.
2. PORTLAND CEMENT CONCRETE USED FOR THRUST BLOCKS SHALL BE MIN. 5 SACK CLASS B CONCRETE WITH A MAX. SLUMP OF 4 INCHES.
3. CONCRETE SHALL BE POURED AGAINST UNDISTURBED EARTH EXCAVATION.
4. BLOCKS SHALL HAVE LIFTING RING. USE NO. 5 BAR REINF. ROD TO FABRICATE RING AT CENTER OF BLOCK. FOR PIPES 16" DIAMETER OR LARGER, NO. 8 BAR REINF. ROD IS REQUIRED.
5. CONCRETE, STEEL SHEET AND END OF PIPE SHALL BE ALL IN FULL CONTACT. NO CONCRETE SHALL BE PLACED IN CONTACT WITH WATER PIPE.
6. TO KEEP THE EXCAVATION WALL SOLID AND UNDISTURBED, OVEREXCAVATION TO ACCOMMODATE THRUST BLOCK SHALL BE HAND EXCAVATED.
7. AREA OF THRUST BLOCK MAY BE INCREASED IF WARRANTED BY SITE CONDITIONS.